

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

This Task Order Progress Report is for the Remedial Investigation/Feasibility Study (RI/FS) at the United Zinc Number 1 Site in Iola, Kansas. This Report summarizes work performed during the reporting period as well as financial information relative to Contractor compliance with the negotiated schedule and budget detailed in the Task Order Proposal submitted to EPA Region 7 by HydroGeoLogic, Inc. (HGL) on August 22, 2012, in response to the Task Order Statement of Work (SOW) issued by the EPA Contracting Officer. The Task Order Project Officer (TOPO) for this task order is Don Balunke. Activity on this Task Order is summarized in Sections 1 through 5 and augmented by summary Reports A through G attached. This report discusses the activities conducted under this task order for the reporting period that coincides with the calendar month. *The HGL accounting period for this time frame is June 29 through August 2, 2013.* Therefore, costs associated with some activities accomplished during the calendar month, but outside the accounting period, may appear in next month's invoice. Some activities for the period of performance are retained in the monthly report to provide background information; new information for the reporting period is provided in italic type to distinguish it from historical information.

1. ACTIVITY FOR THE REPORTING PERIOD

TASK 1 - PROJECT PLANNING AND SUPPORT (PP)

Subtask 1.1 Attend Scoping Meeting

The scoping meeting was held at EPA on July 11, 2012. Efforts for the scoping meeting were conducted as part of the contract requirements.

Subtask 1.2 Site Visit and Report

Because of time constraints in meeting the submission date for the Task Order Proposal, no site visit was completed under Subtask 1.2.

Subtask 1.3 Task Order Proposal (Work Plan)

The initial Task Order Proposal was submitted on July 25, 2012, as part of the contract requirements.

Subtask 1.4 Negotiations and Task Order Proposal Revision

HGL participated in a negotiation session with EPA on August 15, 2012. Based on discussions held during this meeting, the initial Task Order Proposal was revised. The revised Task Order Proposal was submitted on August 22 and EPA subsequently awarded the task on September 20, 2012. These efforts were conducted as part of the contract requirements.



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Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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Subtask 1.5 Conflict of Interest (COI) Disclosure

The signed COI Disclosure form was submitted to EPA on July 25, 2012, with the original Task Order Proposal as Attachment A.

Subtask 1.6 Health and Safety Plan

The HSP was submitted to the EPA as an attachment to the Sampling and Analysis Plan (SAP) on November 13, 2012. *Based on comments on the SAP from EPA's risk assessment contractor, SRC, fish tissue sampling has been added to the sampling effort. The HSP was revised to address electro-fishing and possible boating activities associated with fish tissue collection efforts. On July 9, EPA directed that HGL begin coordinating efforts to collect fish tissue samples. The revised HSP was submitted as a component of the SAP on July 31.*

Subtask 1.7 Sampling and Analysis Plan

No charges will be incurred under this subtask. The SAP consists of the Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP); costs are allocated under these subtasks.

Subtask 1.8 Field Sampling Plan

The FSP was submitted to EPA on November 13, 2012, as a component of the SAP. In late March, HGL addressed the EPA TOPO's and Regional Quality Assurance Manager's comments. *The property sampling component of the FSP was approved May 3 so field efforts could commence while HGL was awaiting comments from the EPA risk assessor to update and finalize the FSP. Comments from EPA's risk assessment contractor were provided to HGL via email from the EPA TOPO Don Bahnke on July 9. The FSP was revised to include the fish tissue samples, and accommodate the number of surface water, sediment and stream bank samples, which were altered by the EPA risk assessor. The revised FSP was submitted as a component of the SAP on July 31.*

Subtask 1.9 Quality Assurance Project Plan

The QAPP was submitted to EPA on November 13, 2012, as a component of the SAP. The property sampling component of the QAPP was approved May 3. *Based on risk assessor comments received July 9, the QAPP was revised to accommodate fish tissue samples and associated analytical methods, and the additional surface water, sediment and stream bank samples. The revised QAPP was submitted as a component of the SAP on July 31.*

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

Subtask 1.10 Project Management

Subtask 1.10.1 Project Management

The following project management activities were conducted during this reporting period:

- *The HGL TOM and EPA TOPO communicated via telephone and email regarding project issues and scheduling.*
- *The HGL TOM coordinated work activities of the HGL project team.*
- *Weekly cost tracking was performed.*
- *Relevant documents and correspondence were incorporated into the project file.*
- *The monthly progress report for the previous period was prepared.*

Subtask 1.10.2 Meetings

No activities were conducted under this subtask during this reporting period.

Subtask 1.11 Subcontractor Procurement and Management

No activities were conducted under this subtask during this reporting period.

Subtask 1.12 Evaluate Existing Data and Documents

No activities were conducted under this subtask during this reporting period.

Subtask 1.13 Prepare Technical Memorandum

This subtask was eliminated from the SOW during negotiations.

Subtask 1.14 Responses, Technologies, and Operable Units Memorandum

During negotiations, EPA determined that no level of effort (LOE) hours or costs will be allocated to this subtask at this time.

Subtask 1.15 Exposure Pathway Analysis

This subtask was eliminated from the SOW during negotiations.

Subtask 1.16 Applicable or Relevant and Appropriate Requirement (ARARs) Identification Letter Memorandum

No activities were conducted under this subtask during this reporting period.

Subtask 1.17 Laboratory QA Program

This subtask was eliminated from the SOW during negotiations.

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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Period of Performance	September 20, 2012, through March 31, 2015

Subtask 1.18 Develop and Review laboratory Qualifications

This subtask was eliminated from the SOW during negotiations.

TASK 2 - COMMUNITY RELATIONS (CR)

Subtask 2.1 Community Interviews

No activities were conducted under this subtask during this reporting period.

Subtask 2.2 Community Involvement Plan

No activities were conducted under this subtask during this reporting period.

TASK 3 - FIELD INVESTIGATION (FI)

Subtask 3.1 Field Mobilization and Demobilization

Costs were incurred for the office space, office rental equipment and internet and phone service. Minimal labor hours were incurred to process the invoices billed.

Subtasks 3.2 and 3.3 – Not Assigned

Subtask 3.4 Environmental Sampling, Including Collection, Preparation, and Shipping

Costs for this subtask are detailed under Subtasks 3.4.1 through 3.4.7.

Subtask 3.4.1 Property Access

Minimal access efforts occurred from July 8 through July 26. During this time frame, efforts consisted of responding to phone calls from residents and meeting with residents. HGL collected 57 access agreements during this 3-week period. The last week of the reporting period, July 29 through August 2, HGL focused on obtaining access to residential properties. Access efforts this week consisted of four HGL team members going door-to-door. Ninety access agreements were obtained this week. A total of 147 access agreements were obtained during this reporting period for a grand total of 867.

Subtask 3.4.2 Residential Surface Soil Sampling (1,715 Properties)

Residential soil sampling efforts continued the entire reporting period with the exception of the first week due to the holiday. The field crew for each week generally consisted of six members. One team of two continually collected residential soil samples. A second team split their time between collecting residential soil samples and preparing soil samples for analysis. The remaining two field team members analyzed samples, assisted with sample preparation, filed

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
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property information, and coordinated field activities.

Monthly and total production numbers for the residential soil sampling effort are summarized below:

	<u>May</u>	<u>June</u>	<u>July</u>	<u>Total</u>
<i>Properties Assessed</i>	<i>196</i>	<i>264</i>	<i>223</i>	<i>683</i>
<i>Properties > 400 ppm*</i>	<i>146</i>	<i>136</i>	<i>130</i>	<i>412</i>
<i>Samples Collected</i>	<i>1,256</i>	<i>1,969</i>	<i>1,792</i>	<i>5,071</i>
<i>Confirmation Samples</i>	<i>171</i>	<i>208</i>	<i>150</i>	<i>529</i>

** Number of properties with non-drip zone areas that contained lead at a concentration greater than 400 parts per million*

Other efforts completed under this subtask included selecting and labeling confirmation samples and archiving samples for speciation analysis. The site was shut down the first week of the reporting period for the July 4th holiday and the last week of the reporting period was mostly dedicated to access efforts. Thus, only three full weeks of sampling occurred and the production declined slightly this month.

To keep the TOPO apprised of ongoing work, a weekly status report is prepared and submitted every Friday via email.

Subtask 3.4.3 Well Sampling

No activities were conducted under this subtask during this reporting period.

Subtask 3.4.4 Sediment and Surface Water Sampling

No activities were conducted under this subtask during this reporting period.

Subtask 3.4.5 Stream Bank Soil Sampling

No activities were conducted under this subtask during this reporting period.

Subtask 3.4.6 Indoor Dust Sampling

No activities were conducted under this subtask during this reporting period.

Subtask 3.4.7 Drip Zone Surface Soil Sampling

No activities were conducted under this subtask during this reporting period.

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

Subtasks 3.5 and 3.6 – Not Assigned

Subtask 3.7 Manage Investigation-Derived Waste

No activities were conducted under this subtask during this reporting period.

Subtask 3.8 Site Reconnaissance

No activities were conducted under this subtask during this reporting period.

Subtask 3.9 Ecological Characterization – Not Assigned

TASK 4 - SAMPLE ANALYSES (SN)

Subtask 4.1 Sample Analysis

Costs for this subtask are allocated under Subtask 4.2.

Subtask 4.2 Soil Sample Speciation Study

No activities were conducted under this subtask during this reporting period.

TASK 5 - ANALYTICAL SUPPORT AND DATA VALIDATION (AN)

Subtask 5.1 Sample Collection and Preparation

This subtask includes only sample shipment efforts. No activities were conducted under this subtask during this reporting period.

Subtask 5.2 Data Quality Objectives – Not Assigned

Subtask 5.3 Not Applicable

Subtask 5.4 Coordinate Sample Delivery

Subtask 5.4.1 EPA Region 7 Laboratory

HGL submitted two ASRs to Nicole Roblez at the EPA Region 7 laboratory on July 15. Each ASR was for 100 soil samples.

Subtask 5.4.2 Speciation Lab – In Vitro

No activities were conducted under this subtask during this reporting period.

Subtask 5.4.3 Speciation Lab – In Vivo – Not Assigned

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

Subtask 5.5 Not Assigned

Subtask 5.6 Data Management

Costs associated with data management are captured under Subtask 6.1

Subtask 5.7 Data Validation

This subtask was eliminated during the scoping meeting.

Subtask 5.8 Review Data Usability

Subtask 5.8.1 XRF vs Laboratory Data Correlation

HGL calculated the correlation coefficient (R^2) for the lead laboratory data versus the XRF field data. The R^2 was 0.93. An R^2 greater than 0.7 is indicative of a strong linear relationship between data sets. EPA Method 6200 defines anything greater than 0.7 as acceptable.

Subtask 5.8.2 Particle Size Correlation

HGL calculated the R^2 for soil sample results passed through a 60 mesh sieve versus soil sample results passed through a 10 mesh sieve. The R^2 was 0.97. The same evaluation criteria applied to the XRF versus laboratory is applied to this data.

Subtask 5.8.3 Speciation Data Report Review

No activities were conducted under this subtask during this reporting period.

TASK 6 - DATA EVALUATION (DE)

Subtask 6.1 Data Reduction and Tabulation

The HGL database specialist continued reducing the XRF data and formatting data and property contact information for entry into the EPA Oracle database. The database specialist also formatted property access agreements, before they were uploaded to the EPA database.

Subtask 6.2 Environmental Fate and Transport Modeling/Evaluation

No activities were conducted under this subtask during this reporting period.

Subtask 6.3 Hazardous Metals Co-Location Evaluation

HGL completed the revision of the Data Correlation and Hazardous Metals Co-Location Evaluation Report, which was originally submitted to EPA under task order 0028. The EPA TOPO requested that HGL update the report with the new correlation value calculated (see Subtask 6.1). The draft report was submitted to EPA on February 20, 2013. EPA provided

Task Order Progress Report

Task Order Number	0056
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comments on the report on March 13. HGL revised the report and resubmitted the revised version to EPA on April 25.

Subtask 6.4 Soil Contaminant Trend Evaluation – Not Assigned

Subtask 6.5 Mail Data Transmittal Letters

Subtask 6.5.1 Newly Sampled Properties

No activities were conducted under this subtask during this reporting period.

Subtask 6.5.2 Historically Sampled Properties

EPA provided HGL with a pdf version of the Removal Action Summary Report that contained the field sketches for the properties previously assessed. HGL created approximately 1,600 individual pdf files, one for each property, of the field sketches with unique identifiers. EPA requested that HGL establish and host an FTP site to transfer data as necessary. The 1,600 files were uploaded to the FTP site in early October 2012. EPA tested the site and noted that the site met their requirements.

TASK 7 - ASSESSMENT OF RISKS (RA)

Subtask 7.1 Human Health Risk Assessment

This subtask was eliminated from HGL's scope of work during the scoping meeting; EPA elected to conduct this work.

Subtask 7.2 Ecological Risk Assessment

This subtask was eliminated from HGL's scope of work during the scoping meeting; EPA elected to conduct this work.

TASK 8 - TREATABILITY STUDY/PILOT TESTING (TT) – NOT ASSIGNED

TASK 9 - REMEDIAL INVESTIGATION REPORT (RR)

Subtask 9.1 Draft Remedial Investigation Report

No activities were conducted under this subtask during this reporting period.

Subtask 9.2 Final Remedial Investigation Report

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Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

TASK 10 - REMEDIAL ALTERNATIVE SCREENING (RS)

Subtask 10.1 through 10.5 - Not Assigned

Subtask 10.6 Remedial Alternatives Screening Section

No activities were conducted under this subtask during this reporting period.

TASK 11 - REMEDIAL ALTERNATIVES EVALUATION (RE)

No activities were conducted under this subtask during this reporting period.

TASK 12 - FS REPORT (FS)

Subtask 12.1 Draft Feasibility Study Report

No activities were conducted under this subtask during this reporting period.

Subtask 12.2 Final Feasibility Study Report

No activities were conducted under this subtask during this reporting period.

TASK 13 - POST RI/FS SUPPORT (PR)

Subtask 13.1 Attend Public Meetings – Not Assigned

Subtask 13.2 Prepare Presentation Materials

No activities were conducted under this subtask during this reporting period.

Subtask 13.3 Assist with Responsiveness Summary – Not Assigned

Subtask 13.4 Assist with Proposed Plan and ROD

No activities were conducted under this subtask during this reporting period.

Subtask 13.5 Assist with FS Addendum – Not Assigned

TASK 14 - NEGOTIATION SUPPORT (NG) – NOT ASSIGNED

TASK 15 - ADMINISTRATIVE RECORD (AR) – NOT ASSIGNED

Task Order Progress Report

Task Order Number	0056
Task Order Title	RI/FS, United Zinc Number 1 Site
Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

TASK 16 - TASK ORDER CLOSE OUT (CO)

Subtask 16.1 File Duplication, Distribution, Storage, and Archiving

No activities were conducted under this subtask during this reporting period.

Subtask 16.2 Return Documents to EPA

No activities were conducted under this subtask during this reporting period.

Subtask 16.3 Prepare Data Storage Media

No activities were conducted under this subtask during this reporting period.

Subtask 16.4 Task Order Closeout Report

No activities were conducted under this subtask during this reporting period.

2. SCHEDULE AND COST VARIANCES WITH RECOMMENDED SOLUTIONS

Modification 0001 was received from EPA on July 7. This modification provided \$414,036 in incremental funding for ongoing efforts.

3. OTHER PROBLEMS AND RECOMMENDED SOLUTIONS

None to report.

4. CONTRACTOR INITIATED INNOVATIONS AND COST SAVINGS

None to report.

5. ACTIVITIES PLANNED FOR NEXT REPORTING PERIOD

The activities planned for the next period include the following:

- *Continue weekly cost tracking, filing, and routine communications with the EPA TOPO.*
- *Prepare the monthly status report and invoice for the previous reporting period.*
- *Continue access efforts.*
- *Continue surface soil property assessments.*
- *Begin preparing for risk assessment sampling.*

Report A: Task Order Summary

This report provides an overview of the entire Task Order, including current and cumulative expenditures, percent of project complete, current funding level, negotiated work plan hours and dollars, estimate to complete, and any open payment suspensions on the Task Order.

Task Order Progress Report

Task Order Number	0056
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Task Order Type (Ceiling or FP)	Ceiling
Period of Performance	September 20, 2012, through March 31, 2015

Report B: Cumulative Labor Report for Task Order

This report provides the cumulative expenditures by labor category for hours and dollars for the entire Task Order.

Report C: Task Level Summary

This report provides a summary of the expenditures for each task within the statement of work, including labor, subcontracts, travel, and other ODCs.

Report D: Current Labor Report

This report provides a summary of personnel for the reporting period and cumulative expenditures for all labor by task.

Report E: Subcontract Report

This report provides information on activities and costs of any subcontract efforts under the Task Order for each task.

Report F: ODC Report

This report provides information on ODCs incurred other than subcontract or travel under the Task Order for each task.

Report G: Travel Report

This report provides information on travel directly related to the Task Order by task.

THE FOLLOWING PAGES HAVE BEEN
REMOVED:

12 through 18

DUE TO CONFIDENTIAL BUSINESS
INFORMATION (CBI)